TECHNICAL LITERACY SERIES

COMPUTER
COURSE INTRODUCTION

National Education Corporation

801T

SCHOOL OF COMPUTER TRAINING

COURSE
INTRODUCTION

COURSE INTRODUCTION

Technical literacy has become as important as reading, writing, and arithmetic. Being able to use a computer is invaluable in business and industry. Through this course, you will become familiar with computers and how to talk to them.

The familiarity with computer components and programming, which you will learn in this course, will allow you to become technically literate in today's industrial society. No longer will the "lingo" of computer people be a mystery to you. You will find yourself using these terms as you discover the meaning of bytes, RAM, ROM, etc.

You will also discover how computers actually work — the inside knowledge about how computers store programs and data, about how data is processed, and how you are the key to making everything work properly.

Your course is packed with instructions so you will learn how to apply computer technology to solving everyday problems. And with more and more home and business computers, there is an almost infinite variety of computer applications. In this course you will learn how to:

- Write complete computer programs using BASIC language.
- Use data entry, processing, monitoring and output devices.
- Understand how BASIC is converted into machine language.
- Set up and operate a computer system.
- Use correct computer programming terminology and procedures.

Your course will include:

INSTRUCTION STUDY UNITS

All text material is contained in eleven study units. These units are written in a logical sequence and should be studied in their given order. The instructions are clear and easy to understand, with explanatory and reinforcing illustrations.

MICROCOMPUTER

Provided for your use is a Timex/Sinclair 1500 Microcomputer with a power converter pack, a television converter box, a dual cable for connecting the recorder to the computer, and a cable for connecting the computer to the television. This microcomputer will give you hands-on programming experience with job oriented activities. Note that this microcomputer can be used with any standard television set.

CASSETTE PLAYER

Data is written and stored on a cassette tape. For this reason, a cassette tape recorder is provided for your use. Follow directions in the User's Manual for loading the tape. A blank tape is included with the recorder so that you can load, store and retrieve programs on tape.

VU-CALC PROGRAM TAPE AND GUIDE

The VU-CALC cassette tape is a program for calculating and displaying tables of numbers and names. After the program is loaded you can perform calculator-like formulae which can calculate a whole table in a few seconds. An Instruction Guide is also provided to assist you in loading and operating the program.

SELF-TEST TAPE AND GUIDE

The self-test cassettes contain exercises which will allow you to make sure you are moving ahead correctly. Exercises are provided for each study unit. You should check your progress after each study unit by completing each exam.

By loading the self-test tape into the Timex/Sinclair 1500 following the directions outlined in the Instruction Guide, you will be able to answer the questions provided for each unit by pressing the computer keyboard to enter your answer. The computer will automatically score your answer and give you the results immediately. You will also be given reference material for each question you answer incorrectly to review. An Instruction Guide is provided to assist you in loading and operating the program.

The best thing about the Technical Literacy Series is that you are getting in on the ground floor. You will be learning BASIC language and all about microcomputers. This technology is so new that computer capabilities and specifications change each day. Once you learn the fundamentals of programming, you can ride upon the crest of change and meet the needs of this dynamic industry. We know you are eager to start your course and hope that you will do so right away.